

**HW 3.5 Lesson**

Name: \_\_\_\_\_

- Regular: p. 112-113 #2-5, 9-17 odd, 29-33 odd, 36
- Modified: p. 112-113 #2-5, 9, 15, 29, 33
- Advanced: p. 112-113 #2-5, 9-17 odd, 29-33 odd, 36, 39

**Match the equation with the first step to solve it.**

2.  $4 + 4n = -12$

3.  $4n = -12$

4.  $\frac{n}{4} = -12$

5.  $\frac{n}{4} - 4 = -12$

A. Add 4.

B. Subtract 4.

C. Multiply by 4.

D. Divide by 4.

**Solve the equation. Check your solution.**

Show work!

9.  $-6t - 7 = 17$

11.  $-5g + 2.3 = -18.8$

13.  $-4p + 9 = -5$

15.  $4 + 2.2h = -3.7$

17.  $7.3y - 5.18 = -51.9$

**Solve the equation. Check your solution.**

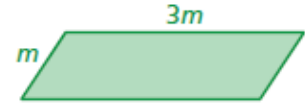
Show work!

29.  $3v - 9v = 30$

31.  $-8d - 5d + 7d = 72$

33.  $-4(m + 3) = 24$

36. **GEOMETRY** The perimeter of the parallelogram is 102 feet. Find  $m$ .



Show work!

**Advanced:**

39. **PROBLEM SOLVING** On Saturday, you catch insects for your science class. Five of the insects escape. The remaining insects are divided into three groups to share in class. Each group has nine insects. How many insects did you catch on Saturday?
- Solve the problem by working backwards.
  - Solve the equation  $\frac{x-5}{3} = 9$ . How does the answer compare with the answer to part (a)?